

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: ) GROUP ART UNIT: N/A  
William C. Jennings ) EXAMINER: N/A  
SERIAL NO.: N/A ) DOCKET REF.: 03CR158/KE  
FILED: Herewith ) SUBMITTED: June 25, 2003

FOR: "Pressurized Antenna For Electronic Warfare Sensors And Jamming Equipment"

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents and Trademarks  
Alexandria, VA 22313-1450

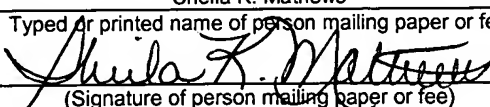
Dear Sir:

In accordance with 37 C.F.R. §1.56, the references listed below and on the attached for PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

English-Language Documents

U.S. Patent No. 4,364,053, Hotline.

Lundgren et al, "A Study of a Printed Log-Periodic Antenna", The Second Annual Symposium on Computer Science and Electrical Engineering, Luleå University of Technology, Sweden, May 2001.

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner of Patents, Mail Stop Patent Application, Alexandria, VA 22313-1450.	
Sheila K. Mathews	
Typed or printed name of person mailing paper or fee	
	
(Signature of person mailing paper or fee)	

Thomas et al, "Pressurized Antennas for Space Radars", American Institute of Aeronautics and Astronautics pub. 80-1928. 1980, pp. 65-71.

"Rogers RT/duroid Material Provides Flexible Substrate in New Conical Antenna", Rogers Corporation Technical Article RT 5.3.1. 1998.

Leisten et al, "Simulating the Dielectric-loaded Quadrifilar Helix Antenna using an Brute-Force TLM Approach", Proc. 15<sup>th</sup> ACES Conference, March 1999, vol. 1 p. 479- .

Leisten et al, "Performance of a Miniature Dielectrically Loaded Volute Antenna", Institute of Navigation Conference, Palm Springs, California, 12-15 September 1995.

Leisten et al, "A Broad-Band Miniature Dielectric-Loaded Personal Telephone Antenna – With Low SAR", Institution of Electrical Engineers (UK), pp. 10/1-10/6, 1999.

"Space Inflatables on the Rise", Jet Propulsion Laboratory News Release, August 9, 2000.

"Gossamer Spacecraft", Engineering Newsline, University of Arkansas [online], March 24, 1999 [retrieved on June 24, 2003]. Retrieved from the Internet: <URL: [http://www.engr.uark.edu/News/PR\\_GOSSAMER\\_SPACE.html](http://www.engr.uark.edu/News/PR_GOSSAMER_SPACE.html)>.

Moore, "The Gossamer Spacecraft Initiative" [online], March 24, 1999 [retrieved on June 24, 2003]. Retrieved from the Internet: <URL:[http://origins.jpl.nasa.gov/meetings/ulsoc/papers/moore\\_c.pdf](http://origins.jpl.nasa.gov/meetings/ulsoc/papers/moore_c.pdf)>.

"Gossamer Spacecraft Exploratory Research and Technology Program NRA 00-OSS-06", Abstracts for the Gossamer Spacecraft Exploratory Research and Technology, [online], April 1, 2001 [retrieved on June 24, 2003]. Retrieved from the Internet: <URL: [http://research.hq.nasa.gov/code\\_s/nra/current/NRA-00-OSS-06/winners.html](http://research.hq.nasa.gov/code_s/nra/current/NRA-00-OSS-06/winners.html)>.

"Partners in the INFLAST project", section 2.5 (CASA) [online], last updated 17.07.1999 [retrieved on June 24, 2003]. Retrieved from the Internet: <URL:<http://www.isd.uni-stuttgart.de/arbeitsgruppen/inflast/inflast.html>>.

Braband, "The First 50 Years: A History of Collins Radio Company and the Collins Divisions of Rockwell International", Rockwell International, Cedar Rapids, Iowa, 1983, pp. 127-129.

#### Foreign Documents

None

This disclosure statement should not be construed as a representation that a search has been completed or that no other material information as defined in 37 C.F.R. §1.56(a) exists.

It is believed that this disclosure complies with the requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, and the Manual of Patent Examining Procedures §609. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

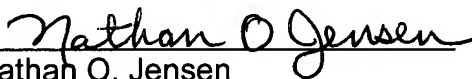
Some of the documents may have markings thereon. No significance is meant to the attached markings.

These documents are not necessarily analogous art.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks.

Respectfully submitted,

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<b>INFORMATION DISCLOSURE</b>  <b>CITATION</b>			Attorney Dock # No. 03CR158/KE		Serial Number	
			Applicant Jennings, W. C.			
			Filing Date Herewith		Group	
<b>U. S. PATENTS</b>						
Exmnr Initl	Document No.	Issue Date	Name	Class	Subclass	Filing Date
	4,364,053	12/1982	Hotine			
<b>Foreign Patent Documents</b>						
	Document No.	Date	Country	Class	Subclass	Translation Yes      No
<b>Other Documents</b>						
J	Lundgren et al, "A Study of a Printed Log-Periodic Antenna", The Second Annual Symposium on Computer Science and Electrical Engineering, Luleå University of Technology, Sweden, May 2001.					
J	Thomas et al, "Pressurized Antennas for Space Radars", American Institute of Aeronautics and Astronautics pub. 80-1928. 1980, pp. 65-71.					
J	"Rogers RT/duroid Material Provides Flexible Substrate in New Conical Antenna", Rogers Corporation Technical Article RT 5.3.1. 1998.					
J	Leisten et al, "Simulating the Dielectric-loaded Quadrifilar Helix Antenna using an Brute-Force TLM Approach", Proc. 15 <sup>th</sup> ACES Conference, March 1999, vol. 1 p. 479-.					
J	Leisten et al, "Performance of a Miniature Dielectrically Loaded Volute Antenna", Institute of Navigation Conference, Palm Springs, California, 12-15 September 1995.					
J	Leisten et al, "A Broad-Band Miniature Dielectric-Loaded Personal Telephone Antenna – With Low SAR", Institution of Electrical Engineers (UK), pp. 10/1-10/6, 1999.					
J	"Space Inflatables on the Rise", Jet Propulsion Laboratory News Release, August 9, 2000.					
J	"Gossamer Spacecraft", Engineering Newsline, University of Arkansas [online], March 24, 1999 [retrieved on June 24, 2003]. Retrieved from the Internet: <URL:http://www.engr.uark.edu/News/PR_GOSSAMER_SPACE.html>.					
J	Moore, "The Gossamer Spacecraft Initiative" [online], March 24, 1999 [retrieved on June 24, 2003]. Retrieved from the Internet: <URL:http://origins.jpl.nasa.gov/meetings/ulsoc/papers/moore_c.pdf>.					
J	"Gossamer Spacecraft Exploratory Research and Technology Program NRA 00-OSS-06", Abstracts for the Gossamer Spacecraft Exploratory Research and Technology, [online], April 1, 2001 [retrieved on June 24, 2003]. Retrieved from the Internet: <URL: http://research.hq.nasa.gov/code_s/nra/current/NRA-00-OSS-06/winners.html>.					
J	"Partners in the INFLAST project", section 2.5 (CASA) [online], last updated 17.07.1999 [retrieved on June 24, 2003]. Retrieved from the Internet: <URL:http://www.isd.uni-stuttgart.de/arbeitsgruppen/inflast/inflast.html>.					
	Braband, "The First 50 Years: A History of Collins Radio Company and the Collins Divisions of Rockwell International", Rockwell International, Cedar Rapids, Iowa, 1983, pp. 127-129.					
Examiner					Date Considered	
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.						